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<223> a poly-lysine linked multiple Ag peptide derived from  
SCCE protein sequences

<400> 28

Pro Leu Gln Ile Leu Leu Leu Ser Leu Ala Leu Glu  
5 10

<210> 29

<211> 12

<212> PRT

<213> Unknown

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<221> CHAIN

<223> a poly-lysine linked multiple Ag peptide derived from  
SCCE protein sequences

<400> 29

Ser Phe Arg His Pro Gly Tyr Ser Thr Gln Thr His  
5 10

<210> 30

<211> 969

<212> DNA

<213> *Homo sapiens*

$\langle 220 \rangle$

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<223> full length cDNA of SCCE

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ggtaaagtca	aatttgactt	cataggtcat	cggcgtcctc	actcctgtgc	150
atcttctgtt	ggaagcacac	agttaattaa	ctcagtgtgg	cgttagcgat	200
gctttttcat	ggtgtcattt	atccacttgg	tgaacttgca	cacttgagtg	250
tagactcctg	ggtcattggg	ttggccgcaa	gggaaagttc	cccaggacac	300
cagaccttgc	agggtacctc	tgcacaccaa	cgggtccccct	gagtcaccat	350



tgcaggcggt	tttcttggag	tcgggggatgc	cagcgcacag	catggaattt	400
tccagtaagt	ccttgtaaac	cttcgtgcag	tcctgggggg	agatgagctt	450
gacatccacg	cacatgaggt	cagagggaaa	ggtcacatct	gggctcgtgg	500
tagtgcccca	gccggagaca	gtacaggtgg	ttccaggggg	ttcgcagcgg	550
gagggcagcc	tgactttctt	caccatggat	gacagcctgg	cctggctatt	600
gagcttcacg	agcatgaggt	cattaacatg	ggtctgtgtg	gagtagccgg	650
ggtggcggaa	tgacttcgag	gccttgatcc	tctgagctct	cctgtcgccc	700
agcgtatcac	tgcccaggtg	cacggtgtac	tcattcatct	tgcagtgggc	750
ggcagtgagc	acccagcgct	cattgaccag	gacgcctccg	cagtggagct	800
gattgccact	gagcagggcc	acctgccatg	ggtgggagcc	tcttgacacat	850
ggggcgccat	caataatctt	gtcaccctgg	gcttcttctc	ctgcagtttc	900
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<210> 32  
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 <223> Residues 123-131 of the SCCE protein

<400> 32  
 Arg Leu Ser Ser Met Val Lys Lys Val  
 5

<210> 33  
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 <212> PRT  
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<220>

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 <223> Residues 5-13 of the SCCE protein

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<210> 34  
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 Val Leu Val Asn Glu Arg Trp Val Leu  
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                     5  
  
 <210> 36  
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 <400> 37





<221> CHAIN  
<223> Residues 215-223 of the SCCE protein

<400> 45  
Leu Gln Gly Leu Val Ser Trp Gly Thr  
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<210> 46  
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<220>

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<210> 47  
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<213> *Homo sapiens*

<220>

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Met Leu Val Lys Leu Asn Ser Gln Ala  
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<210> 48  
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Leu Leu Ser Gly Asn Gln Leu His Cys  
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<210> 49  
<211> 9  
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<213> *Homo sapiens*



<213> *Homo sapiens*

<220>

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<223> Residues 45-53 of the SCCE protein

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Val Ala Leu Leu Ser Gly Asn Gln Leu  
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<210> 54

<211> 9

<212> PRT

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<220>

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Asp Leu Met Cys Val Asp Val Lys Leu  
5

<210> 55

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

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<400> 55

Leu Val Ser Trp Gly Thr Phe Pro Cys  
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<210> 56

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

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<400> 56

Thr Val Ser Gly Trp Gly Thr Thr Thr  
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<210> 57

<211> 9  
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<400> 57  
Arg Cys Glu Pro Pro Gly Thr Thr Cys  
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<210> 58  
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<220>

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Gly Ser Asp Thr Leu Gly Asp Arg Arg  
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<210> 59  
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<400> 59  
Ile Ile Asp Gly Ala Pro Cys Ala Arg  
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<210> 60  
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<220>

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<210> 61  
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 Ala Gly Glu Glu Ala Gln Gly Asp Lys  
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<210> 62  
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<220>

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<210> 64  
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 Thr Thr Thr Ser Pro Asp Val Thr Phe  
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<210> 69  
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<210> 70  
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<210> 71  
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 Asp Ser Gly Gly Pro Leu Val Cys Arg  
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<210> 72  
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<220>

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Val Tyr Lys Asp Leu Leu Glu Asn Ser  
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<210> 77

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<220>

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Val Tyr Thr Gln Val Cys Lys Phe Thr  
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<210> 80

<211> 9

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Gly Pro Leu Val Cys Arg Gly Thr Leu  
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Asn Gln Leu His Cys Gly Gly Val Leu

<210> 82

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Asp Cys Thr Lys Val Tyr Lys Asp Leu  
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<210> 83

<211> 9

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Gly Tyr Ser Thr Gln Thr His Val Asn  
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<210> 84

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<210> 92  
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<220>

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<210> 93  
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<210> 94  
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<220>

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<210> 95  
 <211> 9  
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 <223> Residues 119-127 of the SCCE protein

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<210> 96  
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<220>

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<223> Residues 241-249 of the SCCE protein

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Phe Thr Lys Trp Ile Asn Asp Thr Met  
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<210> 97  
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<210> 98  
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<220>

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Val Cys Lys Phe Thr Lys Trp Ile Asn  
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<210> 99  
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$\langle 220 \rangle$ 

<400> 119  
Asn Glu Arg Trp Val Leu Thr Ala Ala  
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 $\langle 220 \rangle$ 

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<400> 120
Ser Pro Gln Asp Cys Thr Lys Val Tyr
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 $\langle 220 \rangle$ 

<400> 121  
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$\langle 220 \rangle$

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<220>

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<400> 134

Lys Asp Leu Leu Glu Asn Ser Met Leu  
5

<210> 135

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

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<223> Residues 213-221 of the SCCE protein

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Gly Thr Leu Gln Gly Leu Val Ser Trp  
5

<210> 136

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

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<223> Residues 141-149 of the SCCE protein

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Gly Thr Thr Cys Thr Val Ser Gly Trp  
5